

**In the Claims**

1.- 36. (Canceled)

37. (currently amended) A method of forming a coating for an implantable medical device comprising:

- a) applying a solvent and a polymer to the device; and
- b) heating the polymer and the solvent to a temperature greater than about the glass transition temperature of the polymer.

38. (previously presented) The method of Claim 37, wherein the polymer and the solvent are applied to a surface of the device.

39. (previously presented) The method of Claim 37, wherein the polymer and the solvent are applied to a metallic surface of the device.

40. (previously presented) The method of Claim 37, wherein the polymer and the solvent form a composition that is drug free.

41. (previously presented) The method of Claim 37, wherein the device is a stent.

42. (previously presented) The method of Claim 37, wherein the polymer is thermoplastic.

43. (previously presented) The method of Claim 37, wherein the duration of time of heating is until the solvent evaporates from the composition.

44. (previously presented) The method of Claim 37, wherein the temperature is below the melting temperature of the polymer.

45. (previously presented) A method of forming a coating on an implantable medical device, comprising:

- a) applying a composition to a portion of a surface of the implantable device, wherein the composition comprises an inorganic polymer precursor added to a solvent; and
- b) removing the solvent to form a coating on the surface of the implantable device.

46. (new) A method of forming a coating on a radially expandable stent:

- a) depositing a substance including a polymer on a radially expandable stent; and
- b) exposing the polymer to a temperature above about the glass transition temperature of the polymer for a duration of time.

47. (new) The method of Claim 46, wherein the temperature is below about the melting temperature of the polymer.

48. (new) The method of Claim 46, wherein the stent has a body made from a material including a metallic material.

49. (new) The method of Claim 46, wherein the substance additionally includes a solvent.

50. (new) The method of Claim 46, wherein the substance additionally includes a drug.

51. (new) The method of Claim 46, wherein the polymer is thermoplastic.

52. (new) The method of claim 46, wherein the substance is deposited on a surface of the stent.